

BADGER STATE

SMOKE SIGNALS

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SEPTEMBER 2002

AMATEURS CONVERGE
TO HELP TORNADO-STRICKEN TOWN

An Amateur Radio Emergency Service team is on the scene in the northwestern Wisconsin community of Ladysmith, which was devastated by a tornado on Labor Day. ARRL Wisconsin Section Manager Don Michalski, W9IXG, reports that the first wave of ARES volunteers arrived in the Rusk County town of nearly 4000 inhabitants at 10 PM Monday, within hours of the tornado.

Reports indicated that the tornado arrived with little or no warning. "We were lucky that this hit on a holiday, when the business district was closed," Michalski remarked. The Ladysmith tornado was one of four that touched down in the Badger State on Labor Day, but it was by far the most damaging. Gov Scott McCallum has declared a state of emergency in Rusk County. Gov McCallum toured Ladysmith on September 3.

Jim Staatz, KG9RA, reports that members of the Eau Claire Amateur Radio Club and the Tri County Repeater Association have been providing communication support for the American Red Cross and The Salvation Army. In addition, Paul Brooten, KB9TYC, of the Tri County Repeater Association reports that the Barron County American Red Cross Amateur Radio Club and the NORWESCO ARES/RACES team from Washburn County also have been involved in assisting the relief organizations. Eau Claire County Emergency Coordinator Rob Indrebo, KB9SDF, also has been among those assisting.

The Red Cross and The Salvation Army

opened a shelter at a high school in Bruce. A toll-free number for people inquiring about family members has been set up. It's 800-837-6313.

The Salvation Army reports that its emergency disaster relief personnel immediately went into action following the tornado that also left hundreds without shelter and thousands without electricity. "Two Salvation Army canteens have been roving the area offering aid, including meals and crisis counseling, to residents and relief workers," a Salvation Army news release stated. The Salvation Army said it also was providing residents with vouchers to replace prescriptions, clothing and other necessary items lost in the tornado.

The severe weather that moved across Wisconsin also spawned two tornadoes in Marathon County--one in Brokaw, near Wausau, and one near Athens--as well as in the Fond du Lac County town of Brandon. Wind damage was reported in several other communities.

Wisconsin Emergency Management reports that the tornado that hit Ladysmith cut a swath some 14 to 16 blocks long and 2 to 4 blocks wide, destroying numerous businesses and homes. There were no reports of fatalities, but some 60 people were injured. Most were treated and released. Search and rescue operations continued throughout the evening of Labor Day. Crews this week worked to restore power, and all roads were reported open.

-- The ARRL Letter, Sept. 6, 2002

ARRL Central Division Web site launched

After several delays, the Central Division now has its own website at:

<http://www.central.arrl.org>

There are no pop-ups or other advertising on this site and it's a work in progress. Many thanks to Clay Melhorn, N9IO, who has done, and continues to do, all the website work.

Plan to visit this site from time to time as the information will be changed. You will find a director's newsletter that will contain information of specific interest to Central Division members. I plan to publish it about four times a year more if necessary. There are already links to other sites such as our three state's legislative websites. More links of a similar nature are being added.

If you have suggestions or comments, please let me know.

Several improvements have been made to the Central Division Website: (9/26/02)

1. Site availability is more reliable and loading speed on your browser should be faster due to changes in how the DNS authority is handled and some server hardware replacement.
2. Links to both houses of Congress, the ITU, and IARU have been added.
3. Newsletter #1 has been revised and slightly expanded.
4. Link to Illinois Repeater Association updated.

73 - George R. (Dick) Isely, W9GIG
Central Division Director

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Check us out on the web at
[Http://www.bsas.org](http://www.bsas.org)



WHAT'S HAPPENING

Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — kenneth.ebnetter@verizon.net

Swapfests And Other Social Events

October 25-26 2003, Twin City FM Club, St. Paul, MN. Contact Paul Ramey, WG0G, 2847 County Road G, Glenwood City, WI 54013. (715) 265-7288. E-mail wg0g@arrl.net . <http://www.hamfestmn.org>

November 2, 2002, Waukesha, WI
AMATEUR RADIO Fest 2002. The Milwaukee Repeater Club Waukesha County Expo Center Forum buildings, 8 a.m. to 2 p.m. Admission: \$5.00, tables \$15 per 8 ft. table. Electricity: \$15. Pancake breakfast 7 a.m. to 9 a.m. Food available all day. Info: www.execpc.com/~mrc. Email: mrc@execpc.com. Telephone: 262-367-3953.

November 3, 2002, Menasha, WI
SWAPMEET 2002. Sponsor: Fox Cities Amateur Radio Club (FCARC). Sabre Lanes, 1330 Midway Road, Menasha, Wisconsin. Seller table setup 6:00 a.m. Open to public 8:00 a.m. EZ Access: Take 47 ramp (Appleton Road Exit) South off US 441, its just a couple of blocks to the 6500 sq. ft. meeting facility at Sabre Lanes. Talk in on 146.52 mhz simplex. Info: Hamfest Phone: 920-733-3113. Email: n9rjz@arrl.net. Web: WWW.W9ZL.AMPR.ORG.

November 16-17, 2002, Indiana State Convention. Fort Wayne. IN. Contact Foort Wayne Hamfest & Computer Expo, PO Box 10342, Fort Wayne, IN 46851-0342. (260) 484-1314. E-mail kb9ih@arrl.net

January 4, 2003, Waukesha, WI
West Allis Radio Amateur Club

(WARAC) Midwinter Swapfest. Waukesha County Expo Center Forum. 8 a.m. to 2 p.m. Info: Phil Gural, W9NAW, 414-425-3649. Web: www.warac.org.

March , 2003, Wisconsin
Wisconsin QSO Party. Sponsored by West Allis Radio Amateur Club. Info: www.warac.org.

April 13, 2003, Stoughton, WI
Madison Area Repeater Assn. (MARA) Swapfest. Mandt Community Center, 400 Mandt Parkway, Stoughton WI. Doors open at 8 a.m. Sponsored by MARA/W9HSY, P. O. Box 8890, Madison WI 53708-8890. Info line: 608-245-8890.

Saturday April 19, 2003, Eau Claire Hamfest, Eau Claire County Exposition Center. Same location as last six years. Doors Open 8:00 AM to 2:00 PM. Vendors: ARRL, Tower Electronics,

Burghardt Amateur Center, QSL USA and many more! Door and Raffle Prizes.

Admission \$5.00, Tables \$ 10.00. Tailgating - FREE with paid admission. FREE COFFEE - The Coffee is always Free at the Eau Claire Hamfest. If you can't find what you want at the Eau Claire Hamfest, you probably didn't need it. Information: Jim Staatz KG9RA KG9RA@charter.net. Phone 715-838-9108. Web Page: www.ecarc.org.

May , 2003, Cedarburg, WI
25th Annual Amateur Radio and Computer Swapfest. Ozaukee Radio Club (ORC). Info: www.qsl.net/orc/swap.html.

July 12, 2003 Oak Creek, WI
South Milwaukee ARC Swapfest '02. American Legion Post 434, 9327 South Shepard Ave., Oak Creek, WI.

August 9, 2003, Baraboo, WI
Sixth Annual Circus City Swapfest, Saturday, August 10, 2002, 7:00 am till Noon. Sauk Co. Fairgrounds, Baraboo, WI. Vendors, tailgate area, free parking, camping, VE testing. For info, contact: Steve, N9UDO, 608-356-2313 or n9udo@arrl.net. Website www.qsl.net/ytarc/hamfest.htm.

September 2003, Peoria, IL
Peoria Superfest 2003. Exposition Gardens Fairgrounds, 1601 W Northmoor Rd., off 6300 N. University, Peoria, IL. Contact: Peoria Superfest, PO Box 3508, Peoria, IL 61612-3508. InfoLine: (309) 692-3378. E-mail: w9uvi@arrl.net Website: www.w9uvi.org.

September 2003, Grayslake, IL
Radio Expo 2003. September 2003, Lake County Fairgrounds, Rts 45 & 120, Grayslake, IL. Grounds Open from Thursday at noon. Flea Market open both days at 6 AM. Exhibit Buildings open Sat 8 AM to 4 PM, Sun 8 AM to 3 PM. The Chicago FM Club. Questions ??? Call Radio Expo 630-628-1501 (Voice-Mail & FAX). <http://www.chicagofmclub.org>.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN/PUBLISHER: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. e-mail to: kenneth.ebnetter@verizon.net

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1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of

the month before the issue date. For example, the closing date for the May issue is April 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter. Editorial material, photographs, and feature articles should be sent to Ken Ebnetter, K9EN.

Web page material should be sent to n9qa@arrl.net (Dave Knaus, N9QA).

Inquiries about advertising should be directed to Ken Ebnetter.

Club, swapfest, and Test Point information should be sent to Ken Ebnetter.

Swapfest ADS should be sent to Ken Ebnetter, K9EN no later than eight weeks before the events date.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*.

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.



Appleton, FOX CITIES AMATEUR RADIO CLUB

Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. PLa-tour428@aol.com Web: <http://www.w9zl.ampr.org/>.

Baraboo, BADGERLAND AMATEUR TELEVISION SOCIETY (BATS)

Check BATS Web page: <http://www.shopstop.net/BATS/>

Baraboo, YELLOW THUNDER AMATEUR RADIO CLUB

Meetings: Location and time varies, see page 11, YTARC column for dates and time or contact the web site for information: <http://www.qsl.net/ytarc>.

Dubuque, IA GREAT RIVER AMATEUR RADIO CLUB

Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/>. Information or questions to: N0hdc@aol.com.

Eau Claire, EAU CLAIRE AMATEUR RADIO CLUB

Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone (715) 838-9108, Email kg9ra@ecarc.org. Web page: <http://www.ecarc.org>

Fond du Lac, FOND DU LAC AMATEUR RADIO CLUB

Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: kg9in@fdlhams.org Web: <http://www.fdlhams.org>.

Fort Atkinson, TRI-COUNTY AMATEUR RADIO CLUB

Thursday monthly except June to August, 7 p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton, OZAUKEE RADIO CLUB (ORC)

Second Wednesday of each month at 7:30 p.m., Grafton Multipurpose Senior Center, www.qsl.net/orc/.

Green Bay, GREEN BAY MIKE AND KEY CLUB

Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at kb9sne@yahoo.com.

Green Lake, GREEN FOX AMATEUR RADIO CLUB

Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Hudson, St. CROIX VALLEY RADIO AMATEURS

Meetings: Third Tuesdays, St. Croix County

Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau, ROCK RIVER RADIO CLUB

Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

Madison, SPACE PLACE AMATEUR RADIO CENTER

No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: n9uw@sal.wisc.edu.

Madison, BADGER AMATEUR RADIO SOCIETY

University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: w9ixg@arri.org. Web: <http://www.qsl.net/w9yt>.

Madison, FOUR LAKES AMATEUR RADIO CLUB

Meetings: First and third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc, MANITOWOC COUNTY RADIO AMATEURS (ManCoRad)

Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: fredw6bsf@lakefield.net.

Medford, TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC)

Meetings: Usually first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls, FALLS AMATEUR RADIO CLUB, INC.

Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie, MI, M & M AMATEUR RADIO CLUB

General meetings: Monthly, second Thursday, 7 p.m., cafeteria, BAMC basement, Tenth Avenue, Menominee, MI. Amateurs and guests welcome. 2M repeater: 147.00, + offset. 70cm repeater: 444.075. Sunday net: 7 p.m., 147.00 repeater. Mailing Address: P.O. Box 1082, Marinette, MI 54143.

Milwaukee, GREATER MILWAUKEE DX ASSOCIATION

Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: garyk9gs@arri.net.

Milwaukee, MILWAUKEE RADIO AMATEURS CLUB

Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac> . Email: w9rh@arri.net.

Monomonie, RED CEDAR REPEATER ASSOCIATION, INC.

Saturday coffee at Hardee's in North Monomonie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area, NORTHEAST WISCONSIN DX ASSOCIATION

Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdxa/>. Contact us at w9dxa@arri.net.

Oak Creek, SOUTH MILWAUKEE AMATEUR RADIO CLUB

Meetings: First Wednesdays, Legion Post 434, Shepard Ave., Oak Creek, WI. Auctions in March and October. Swapfest July 6, 2002.

Onalaska, RIVERLAND AMATEUR RADIO CLUB

Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/> . Email: wr9arc@qsl.net.

Oshkosh, RADIO AMATEURS OF WISCONSIN (R.A.W.)

Meetings: Third Saturday monthly, locations vary. R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

QCWA Chapter 162QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)

Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55QUARTER CENTURY WIRELESS ASSOCIATION (QCWA)

Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. mailto:rryokes@execpc.com.

Racine, LAKESHORE REPEATER ASSOCIATION

Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

Racine, RACINE MEGACYCLE CLUB

Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

Rhineland, NORTHWOODS AMATEUR RADIO CLUB

Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.

Sheboygan, SHEBOYGAN COUNTY AMATEUR RADIO CLUB

Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake, NORTHLAND AMATEUR RADIO CLUB

Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>.

Stevens Point, CENTRAL WISCONSIN RADIO AMATEURS

University of Wisconsin - Stevens Point, WI. Second Wednesday.

Superior, ARROWHEAD AMATEUR RADIO CLUB, INC.

Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R., WISCONSIN ASSOCIATION OF REPEATERS

Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wirepeaters.org>.

Watertown, WATERTOWN AMATEUR RADIO CLUB

Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca, WAUPACA AMATEUR RADIO CLUB

CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

Wausau, WISCONSIN VALLEY RADIO ASSOCIATION

Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis, West Allis Radio Amateur Club (WARAC)

Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. www.warac.org.

West Bend, WASHINGTON COUNTY AMATEUR RADIO CLUB

Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids, WISCONSIN RAPIDS AMATEUR RADIO CLUB

Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

The above club meeting times and locations have been submitted to *BSSS over* the last few years. Some of the listing may be in need of updating. If you are an officer or member of any of the listed clubs, please check the information to be sure it is current.

If you are with a club that is not listed we would like to be able to list your club with the others. This is a chance to let others know of your club and to invite new members and visitors to stop by your meetings.

Please send any information to Ken Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901-1402. E-mail to k9en@arri.net. Also send an e-mail to Dave Knaus, N9QA, n9qa@arri.net. Dave takes care of our web edition of **BSSS**.

Wisconsin Nets Association Ltd.

Dean R. `Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	YES	3985		1200	0600 W9RCW
BEN	YES	3985		1800	1200 KE9VU
WSBN	YES	3985		2330	1730 K9FHI
WNN	YES	3723		0000	1800 KB9ROB
WSSN	YES	3645		0030	1830 N9BDL
WIN/W	YES	3662		0100	1900 WB9ICH
WIN/L	YES	3662		0400	2200 W9UW
RCRA	NO	01/61		0130	1930 KA9OMC
(Mondays CST— Menomonie Area)					
Green Bay Area	NO	72/12		0345	2145 WB9NRK
ARES	NO	4.65/5.25		0300	2100
(South East/South Central Wisconsin)					

WISCONSIN SECTION STM REPORT JULY 2002 W9NN, SK

Not only on behalf of the Wisconsin Nets Association, but speaking for myself, I join in the celebration of the life of Bob Baird. He was indeed a friend in the true sense, both to Ham Radio and to me.

A couple of years ago, the Wisconsin Nets Association had the great idea of having our summer picnic in the fall. We were all shivering in the park, watching the snow flurries, wondering how we'd ever keep warm and still transact business, when we spoke with Bob on two meters and he immediately opened his home to us for the meeting. That was typical of his generosity.

I was working in my garage this spring, keeping half an ear on 40 CW as I worked, when I noticed a really beautiful fist in QSO with a W8. I really wasn't surprised at all to hear Bob's call at the end of the transmission. After his QSO, we visited a while, and it occurred to me that, with Bob, you could always pick up right where you left off. He even copied my 15 watts into an 80 meter dipole on 40 and gave me a good signal report. Bob was not only a good story teller; he was always a good listener.

He will be deeply missed and will be kept alive in spirit and memory by all who knew him. As long as there is Ham Radio, the influence of Bob Baird, W9NN, will be felt.

The Not-So-Lazy Days of Summer

Now's a great time for Ham Radio activities - especially those that enhance our public service contributions. Not only is the weather conducive to antenna work, but a summer's eve spent tightening ground connections, checking cables, adjusting the VOX or CW paddle, and getting the most out of each feature of our equipment is time very well spent.

We can find plenty of operating practice in conjunction with parades, bike rides, fund-raiser walks for nonprofits, and weather spotting. The section traffic nets continue to meet every day, the RACES net meets Sunday morning, and local nets can provide the answers to questions and well as great camaraderie.

Summer is a good time to meet our neighbors. Learning who's who in a neighboring county can be of great benefit for ARES/RACES exercises as well as good mutual support for area or club activities.

It's not too soon to start thinking of a fall presentation to your local club about traffic handling and the National Traffic System. Your STM will be pleased to help, and it can be tailored to your club's needs. Let me know so I can check my calendar early.

Can't think of the name of that operator on the net? Get a QNI roster at www.w9ixg.eboard.com or let me know and I'll be glad to send one via Email or U S Post.

Short column this month. Have to get back to work. Lots to do. See you on the nets. 73 - K9LGU/ STM

WISCONSIN SECTION STM Report AUGUST 2002

What You Don't Need to Do

Instead of my usual rants about what we should be doing with traffic handling and the nets in Wisconsin, I'm just going to list a few things that an operator *doesn't* need to do. Not doing something should be easier than doing something, right?

Save some of your time and effort. Omit any punctuation in the preamble of a message. Don't bother to include the commas and periods with the city and state in the place of origin; the spaces around them function as the punctuation. Same with the date. We know it's an abbreviation. No need for the period. You also don't need to label the parts as you send them - such as, "station of origin, place of origin, date." Just send 'em. The receiving station knows the parts.

When sending a message, you don't have to say or send "To." Again, the receiving station already knows what's coming next. That's the beauty of a standard format.

Don't include a closing with the signature. The "73," "sincerely," or the like

is included (and counted) as part of the text. The signature is just the name, sometimes with a title, and what follows that name.

No need to spell everything out on phone. Just spell or use phonetics for homonyms (there, their, they're), the uncommon words (pterodactyl), or those that might be misunderstood (fight, flight). And spell out the ARRL numbered text (It's "ARL FORTY SIX," not ARL 46).

Unless there's a question about the check, some uncertainty about the text, or very bad conditions, there's no reason to read the entire message back to the sending station. Get confirmation on the parts you need. Leave the full reading of the message to the Department of Redundancy Department.

Finally, you don't need to hesitate to check into a traffic net - phone or CW. We need all the participation and practice we can get -- but I repeat myself...

Need a new pink card (FSD-218) with all you need to know about message formats, QN signals, and traffic procedures? Let me know on a net, send me an Email, or - better yet - send me a radio-gram. I'll be glad to send you a new card and the most recent list of ARRL radio-grams. 73 -- K9LGU / STM

Open house at Resonance Research in Baraboo

Sat., Oct. 19th, starts at 2 p.m. ends around 10 p.m.

Yes, our annual open house will convene on Sat., Oct. 19th, starting at 2 PM. We have a Midwest Cheesehead Teslathon with various TC builders from around the Midwest bringing their coils in to demonstrate.

This year, an interesting first: A Cheesehead Teslathon. Amateur Tesla coil builders from all over the Midwest will bring their TC's in, set them up on the lawn, and operate them while discussing performance, design, etc. We call it Lightning on the Lawn and hopefully to become an annual event.

This year amateur Tesla Coil builders from around the Midwest will bring, setup, and demonstrate their monstrous creations. They start setting up around 1:30 PM if you want to help out --- that's great.

Bring a dish to pass. We dine around 4-5 PM. RRC will furnish lots of soda and hot beef on buns.

Location is E11870 Shadylane Rd. approximately 1 mile east of the International Crane Foundation and 1/3rd mile east of CTH A.

Exit I90/94 on Hwy 12 East (exit 92), just past Bronco Billy's bar, turn east on Shadylane Rd. Drive east until you run into zillion cars and you're there.

A "pole pig" xmfr to be awarded as grand prize to the best Teslathon Cheesehead Hat honoring Tesla and his creations, as determined by the overall group in attendance.

Best Regards, D.C. Cox,
Dr. Resonance

PUBLISHER NOTES:

You probably have noticed that we are sporting a new size. We were the only one left using our previous size paper at our printer, and the special handling for a small job like BSSS made it necessary to change our size. We will still have all the columns and features that you have found useful in the past.

We are also now sending BSSS to the

printer in electronic format us an Adobe pdf file.

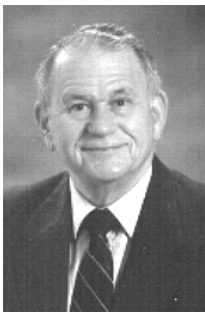
We also now have BSSS available for distribution in pdf format. If you would like to receive your copy that way, please let us know by e-mail to k9en@arrl.net.

The file is less than 1 meg, and we will e-mail it to you as an attachment.

73, Ken Ebnetter, K9EN

The Computer

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
Skaplan@mcw.edu



THE COMPUTER CORNER

No. 104. Window Washer

- by Stan Kaplan, WB9RQR
105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
skaplan@mcw.edu

Every now and then a really useful program comes along that meets a need. That is the way the “big” ones started – Norton Utilities (started as Peter Norton’s Speedisk back in the early 1980s, if memory serves me correctly), Partition Magic, and so on. There is a need that is not being met or is being met only poorly and someone writes a jewel that does the job. Window Washer is the latest.

We all need a way to remove the garbage from our computers. Actually, Norton Utilities (now called Norton System Works) has a function called Clean Sweep that does a passable job at it. However, Peter Norton Computing did not write the utility. Rather, they bought the Clean Sweep software from a company of the same name and folded it into their utilities. It does other things as well as cleanup tasks, but it is the Fast and Safe Cleanup function that does what the name implies. Don’t get me wrong – Fast and Safe Cleanup is fairly good, but Window Washer is far more thorough.

There are two basic issues that Window Washer addresses. First is the issue of space, taken up by useless files that should have been cleaned up by sloppy software, but were not. These can accumulate over time into hundreds of megabytes of wasted space. True, large hard drives today make that less of an issue than in the past. But, that’s like saying that it is OK to have sloppy, filled up closets now that we have moved into a new house with more closet space. Everyone should work clean with their computer space, for maximum efficiency.

The second issue is security of personal information. Windows stores huge amounts of information on what web sites you have visited, what files you have opened and edited, what pictures you have opened and viewed, and so on, and it keeps this information directly on your hard

drive. This may not be an issue for you if you are a single user of the machine in a reasonably secure environment such as at home, but in an office environment, that is a different story. Even at home, unless you have in place a highly secure firewall (Zone Alarm is the best, and it is still free!), automated hacking programs can get into your machine and capture any or all of that data, and other personal information as well. So, Window Washer addresses the two big S-issues, Space and Security, with special emphasis on Security.

You can run the program whenever you feel the need, or you can have it run on startup or shutdown, or you can have it automatically run anywhere from every 15 minutes to once a month. I prefer to do it manually when I choose, but just about any option is available. The first time I ran it on one of my machines, it removed over 100 Mbytes (10% of a gigabyte) of useless garbage that was just taking up space. Below is a partial list of stuff it cleans up when run.

- C:\Windows\Temp: Usually populated with junk files left over from old installations; it cleans out all the files in this folder.
- Recycle Bin: Everything in this directory is erased.
- Windows Run History: All records of everything you have done with the Start, RUN button.
- Document and Find Histories: Removes all notes of the documents you have opened recently, as well as records of the items you have used the Run, FIND function to search for.
- Scan Disk: Removes useless *.CHK files that Scan Disk writes to each drive when run.
- Media Player: If you use Windows Media Player, Washer removes just the history of items that have been used, but not the items themselves.
- Browsers: Washer cleans up Netscape’s cookies, cache, trash mailbox and history, and Internet Explorer’s cookies, cache and history. It will also clean histo-

ries if you have AOL on your system.

- Office Tracks: If you use MS-Office, Washer cleans out Most Recently Used (MRU) records when you selected Open, Insert Picture, Save As and other office functions.

Personally, I deselect Office Tracks in Washer, because it removes some default settings that I prefer when writing. For example, as I write this article in Word, the screen is displaying text boundaries and all formatting marks such as tab characters, paragraph marks, spaces and so on. If I let Washer clean Office tracks, the default Office settings are restored and I need to reset my personal preferences each time I open a new document. So, a simple click in Washer can deselect Office Tracks, or any other item listed above that you want Washer to leave

alone. In other words, Washer is flexible enough to tailor to your specific needs and preferences.

Window Washer is not free. On the other hand, you can download a free trial version that is exactly the same as the full version, though it will quit working after the trial period expires. Expect to pay \$29.95 for the full version. Well worth it, in my opinion. Sniff around <http://webroot.com> to find it among other software packages the company sells. You can pay for it online and download it, or order it on CD-ROM. It comes with free upgrades for a period of one year. Be sure to read the documentation so you can tailor it to your personal work style, before you run it. While it is safe and effective, tailoring it will ensure that there will be no surprises, and it will do just what you want and no more. Good stuff. Happy computing!

Computer Corner: First 100 on CD-ROM

Several years ago, Stan Kaplan (WB9RQR), author of the Computer Corner column in BSSS, released a compilation of the first 48 articles. A very strong response indicated that readers want a complete set of the articles. We now announce the release of the First 100, on CD-ROM.

All 100 articles are in Adobe Acrobat (.pdf) format, and there is an Index of Titles as well. Furthermore, the powerful search and link capabilities of the Acrobat Reader have been harnessed to make use of the CD-ROM a snap.

In the Index of Titles file on the CD-ROM, a click on any title will take you to the complete article, and you can switch back and forth between the articles and Index at will. Moreover, you can perform searches for individual words, and the

search results will show all articles that contain those words. A click will take you to any article in the list of those found, and the search words in that article will appear as highlighted text. Clearly, these capabilities make the CD-ROM a valuable reference tool for quickly finding topics of interest.

If you don’t have a copy of the Acrobat Reader, or if your copy is old, the latest version (5.0.5) is included on the CD-ROM, along with installation instructions.

The CD-ROM, including all the files and the Adobe Acrobat Reader, will be mailed to you for \$15.00 postpaid. Send your order with payment to the address below. Sorry, no credit card orders. Proceeds will benefit Wisconsin ARES/RACES.

Stan Kaplan, WB9RQR
105 Martin Drive

MORE PUBLISHERS NOTES

We are planning on getting the next (November) issue out the first part of that month, and a December out in Mid-December, before Christmas. If you have material you would like in BSSS next month, get it to us ASAP, and by December first for December. This will give us six issues for 2002 and we will be on a bi-monthly schedule (even months) next year. Material should

be sent to Ken Ebnetter, K9EN.
k9en@arrl.net

If material is to be used on our web site, also send it to Dave Knaus, N9QA.
n9qa@arrl.net

73 ken k9en

Check us out on the web at
[Http://www.bsbs.org](http://www.bsbs.org)

Mancorad Radio Club

Theresa Hartlaub, KB9KXE
Secretary

P.O. Box 294 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61

JULY 2002

The July meeting of the Mancorad Radio Club was held July 10, 2002. Meeting was called to order by Red (N9GHE), our acting president. Fred (W6BSF) was not in attendance.

Minutes were summarized and approved by motions from Shawn (KC9AAH) and Vic (WB9VYO). The treasurers report was also given and accepted by motions by Rahlf (N9AWG) and Gene (KB9KXF).

The sign up sheets for working at the 2 upcoming brat frys were passed around. Any one who can help on either July 26-27 or August 9-10 should contact Red or Fred. Also sheets were passed around for the Kewaunee Bike-a-thon on July 20th. James (KB9GOX) is the contact person. Also, on July 20-21, the annual Leukemia Bike-a-thon will be held. If you can help, contact Steve (N9PBL).

Carl (KA9WYK) reminded everyone who is working an event to take pictures. He will use them in a slide show for the Christmas party in January.

Vern (KB9EME) had gotten some office chairs from Mirro. Those members who had signed up for a chair had their pick of the lot. There were some chairs yet to be claimed.

Thank you Vern for getting these for us.

Red thanked all those volunteers who had helped out with the Capitol bike-a-thon. Everything went smoothly and riders were very appreciative of the help given by the club.

Fred wanted to remind club members that voting for offices will be held in October, just around the corner. Please consider running for an office.

Anyone who would like a magnetic sign signifying being a weather spotter can order one. Mr. Otek Signs will make them up for us for 20.00

The club welcomed a new member, Dan Heinrich, (N9JKX).

Welcome to the club.

The attendance drawing was held. WB9DQB was picked but not in attendance. The pot goes to 10.00. Meeting was adjourned at 7:55. Next meeting will be

Aug. 14th at 7:30, board meeting at 6:30. Lunch was served.

Respectively submitted
Theresa Hartlaub, KB9KXE
Secretary

MEETING ATTENDANCE

KB9KXE	Theresa
N9QFY	Dick
KB9YRC	Travis
KA9WYK	Carl
KC9AAH	Shawn
KC9ARV	Ray
N9JKX	Dan
W9NPX	Roger
N4WGK	Denise
K9QFO	Len
KB9KXF	Gene
WB9VYO	Vic
KB9NTL	Don
KB9EME	Vern
N9AWG	Rahlf
N9GHE	Red

AUGUST 2002

The Mancorad Radio Club August meeting was called to order on Aug. 14th at 7:35 by Pres. Fred (W6BSF). The July minutes were summarized and approved with motions by Denise (N4WGK) and Bob (KB9INK) and the treasurers report given and also approved with motions by Shawn (KC9AAH) and Vic (WB9VYO).

The club welcomes 2 new members, Rich Konkel (KB9KEM) and Matthew Jachimstal (KG9LF). Welcome to the club and may you enjoy the upcoming activities.

All members were reminded of the upcoming Annual Family Picnic. It will be held at Lincoln Park on Sept. 28th starting at 11:00. Please bring a dish to pass and you drink of choice. Meats and buns, and condiments will be provided by the club. There will be T-hunts held with prizes. Everyone who has attended in the past will confirm that this picnic is a good time for all. A sign up sheet was passed around and will again be next month.

The 2nd brat fry was held July 26-27th. There was good attendance and the

club did make some money. Next year we would like to have brat frys at Piggly Wiggly or Sentry.

Thank you to all who helped with this fry or the first one. All those involved had a good time.

There is a proposal before the Maritime Museum Board of Directors on the design for the radio room in the new addition of the Maritime Museum. It would resemble a bunker from Midway Island in 1944. There would be communications between the sub and the radio room. This is hope to be up and running next summer.

President Fred reminded all members that elections are in October. He encouraged all members to run for an office as all are up for election. Remember this is YOUR club.

All RACES members will receive a new RACES plan and updated roster.

Bob (KB9INK) is still planning a T hunt to be held this year for club member. It will be within the city.

There was a request for an Extra rating class to be held this fall or winter. Anyone interested in helping teach the theory please contact Fred.

John (NZ9Z) brought a guest along. Shiyanke, the son of his long time friend Victor from Sri Lanka is spending a year in the USA with John and Cindy. He will be attending Roncalli High School and is anxious to learn all he can about us. Hello and welcome.

Carl (KA9W4K) will be in Michigan and Sept. 4th-5th. He would like members to contact him on 40 meters. The frequency is 7.250.

A motion was made by Roger (W9NPX) that the club purchase 2 nescos. Members are checking into the factory seconds sale coming up. Also some discussion on purchasing another fryer with extra tanks was also held. Matthew (KG9LF) reported there was a free standing tv tower, 48' free for the hauling. Contact him if you are interested. Carl (KA9W4K) reminded everyone to check out the web page as he is adding things all the time.

James (KB9GOX) thanked all members who participated in the Kewaunee bike/run held in July. Everyone involved was very thankful for the help we provided that day. Also mentioned was that there were over 750 riders for the Leukemia Bike a thon held in later July. Also thank you to all who helped.

The attendance drawing was held and Dick (N9QFY) received 10.00. The pot goes back to 5.00.

Meeting was adjourned at 8:30. Our next meeting will be Sept. 11th at 7:30 at the Waldo Blvd. club shack. Board meeting will start at 6:30.

Lunch was served.

Respectively submitted,
Theresa (KB9KXE), Secretary

Meeting attendance

KB9KXE	Theresa
N9QFY	Dick
W6BSF	Fred
KB9YRC	Travis
KC9AAH	Shawn
KB9GOY	Mary
N4WGK	Denise
W9NPX	Roger
W9OUT	Hub
WB9VYO	Vic
N9WUN	Chuck
KB9KXF	Gene
KB9VLS	Chris
KG9LF	Matthew
NZ9Z	John Shiyanke, guest
K9HAG	Ken
KA9WYK	Carl
KB9GOX	James
KB9EME	Vern
WB9DQD	Gene
B9KEM	Dick
KB9INK	Bob

SEPTEMBER 2002

President Fred (W6BSF) called the Sept. 11th meeting of Mancorad Radio Club to order at 7:35 p.m. The treasurer's report was given by treasurer Dick (N9QFY) and accepted by motions by from Ken (K9HAG) and Red (N9GHE). The Aug minutes were approved as printed in the Badger Smoke Signals by motions by Carl (KA9WYK) and Roger (W9NPX).

All members were again reminded of the upcoming club picnic. It will be at Lincoln Park, Cabin #1 on Sept. 28th. It starts at 11:00. Please bring a dish to pass and your drinks. Meat, buns, condiments and all else will be provided by the club. There will be T hunts for adults and children alike. If you have not signed up yet, contact Ken (K9HAG) or Bob (KB9INK).

Also coming up is the annual Christmas Party. Again this year it will be at Cedar Ridge on Jan. 3rd. The cost will be 9.00 in advance and 10.00 at the door. Chicken and ribs family style. A gift exchange will be held for all those who bring a gift. Carl will be giving a slide show of the events of 2002 that we participated in. This is a great way to get to know club members and have a great meal too. Fred is sending out a sign up sheet for this. Also will be sending out the annual registration form for club membership. Dues should be paid by the end of the year along with the sheet.

Dick (KB9KEM) and Gene (WB9DQD) are discussing the possibility of building an amplifier over the winter. Further discussion will be held on this.

Theresa (KB9KXE) will be contact-

(Continued on page 7)

(Continued from page 6)

ing Metal Ware on the possibility of purchasing Nescos for the club.

Carl (KA9WYK) gave a very interesting and amusing account of his blacksmith class he took in Michigan. We all learned something about this lost art. Thank you Carl.

The attendance drawing was held with Shawn (KC9AAH) being drawn, but not here. The pot goes to 6.00.

The next meeting will be Oct.9th. This is a very important meeting as this is elections night. All members are asked to consider running for an office. All positions are open. So please attend this meeting and support the club.

Meeting adjourned 8:10.
Respectively submitted,

Theresa Hartlaub, (KB9KXE)
Secretary

Meeting Attendance

KB9KXE	Theresa
N9QFY	Dick
W6BSF	Fred
KB9GOY	Mary
K9HAG	Ken
KA9WYK	Carl
N9GHE	Red
N9WGK	Denise
W9NPX	Roger
N9WUN	Chuck
N9XEZ	Bill
WB9DQD	Gene
KB9KEM	Dick
KB9WPE	Derek

did not waste time." Michael said. The tornado in Ladysmith was an F2 and the one in Wausau was an F0. How the net control assigns spotters to locations was discussed. APRS has assisted in the weather net but only to a limited degree. Michael pointed out that all the stations are important both fixed and mobile. There was a suggestion to have a runner at EOC and a few others trained in handling the duties at EOC. It was raised that it may be of mutual benefit if REACT was invited to the monthly ARES meeting. There will be further discussion at the ARES meeting held the fourth Tuesday of the month at the State Patrol in Rib Mountain.

The members then viewed a videotape of the special event at the Eland Railroad Days. The event used the club's call of W9SM. Many contacts were made on SSB and a few on CW. It was suggested that the club start to plan now to return to the Eland Railroad Days that are held every two years.

President Mark Rasmussen began the meeting by having all the members present introduce themselves.

Secretary's Report: Minutes of the August 6, 2002 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. home.dwave.net/~wvra

Treasurer's Report: Motion to wave till next meeting: KB9DED S e c - ond: N9NMH

Old Business:

1. Jon, KC9AEJ and Scott, KB9PVI printed I.D's for paid members.
2. There is still a need for at least one

more net control operator for the Thursday Night Discussion Net. If you are interested please contact Jon, KC9AEJ.

3. The program for October is not set. The auction will be in November following a short meeting.

4. ARES - Myron, KB9STB gave a brief overview of the training on net decorum from the last ARES meeting held August 27, 2002 at the State Patrol in Rib Mountain. There was a suggestion to hold practice nets over the winter months. The next meeting topic has not been determined but may be on Command Structure. A reminder that SET will be on October 5, 2002. There is an ARES web page to keep all members informed of current events at <http://www.martechsys.com/ares>. The next meeting will be September 24, 2002 at the State Patrol in Rib Mountain.

5. The trailer the club has been working on now has 3 new tires and lights. Kenny, KB9YDP donated a gift card from Fleet Farm for parts. There may be a few people who will do work on the trailer such as lettering, some bodywork and the layout of the equipment. Anyone interested in donating his or her skills can contact Matt, N9NMH at N9NMH@arrl.net or on the 146.640 repeater.

6. Michael, KB9VBR has sent out a few APRS demos to some interested location for a possible increase in statewide coverage. There is a plan to hold an APRS meeting in October or November and invite others clubs and interested individuals.

7. There will be an auction after a brief meeting in November. Myron,

(Continued on page 9)

Wisconsin Valley Radio Association

Rich Nesbitt, N9WPH, Secretary

P.O. Box 363 • Wausau, WI

Meeting Minutes of September 3, 2002, at Marshfield Clinic - Wausau Center.

President Mark Rasmussen called meeting to order at 7:00 P.M.

Present: N9NMH, W9GLG, N9MEA, KC9AEJ, N9UAG, KB9VBR, KB9STB, KB9DED, N3FDE, N9NRC, KB9YDP, KB9ZOF, K9DB, WA9NBC, W9PBB, K9QM, N9PHC, N9LIA,

W9WW, WB2TLQ, KC9ANA, N9MO, N9NRA, N9SDI, KB9RXA, WD9CPY, KB9PVI, and 1 guest.

Program: Michael, KB9VBR started the debriefing of the weather net of September 2, 2002. The net started at 16:53. There were 24 check-ins total, 16 mobile, 1 net control, 1 at EOC and 2 liaisons to NOAA weather. "This was a tight net. Communication was good, to the point and

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P S H R SUMMARY July 2002							
CALL	1	2	3	4	5	6	T
W9RCW	40	40	30	30	0	0	150
K9LGU	40	40	30	0	5	0	115
K9FHI	40	40	30	5	0	0	115
KB9KEG	40	40	20	0	0	10	110
AG9G	30	40	30	10	0	0	110
W9CBE	40	40	20	0	0	0	100
K9JPS	34	40	10	0	0	0	84
W9YCV	40	21	20	0	0	0	81

P S H R SUMMARY August 2002							
CALL	1	2	3	4	5	6	T
K9JPS	37	40	10	210	0	0	297
N9VE	31	40	30	175	10	0	286
W9RCW	40	4	030	110	0	0	220
AG9G	40	40	30	40	0	0	150
K9LGU	40	40	20	35	0	0	135
K9FHI	40	40	30	0	0	0	110
KB9KEG	40	36	20	0	0	10	106
W9YCV	40	25	20	0	0	0	105
W9CBE	40	40	20	0	0	0	100
N9VE--JULY	40	40	30	295	20	0	425

WISCONSIN SECTION STATION ACTIVITY SUMMARY July 2002					
STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	428	45	411	884 - BPL
N9VE	0	312	54	312	660 - BPL
W9RCW	0	256	12	239	507 - BPL
K9GU	0	318	32	333	473 - BPL*
W9CBE	0	62	68	4	134
K9LGU	1	85	33	0	119
AG9G	0	4	47	0	51
WA9ZTY	0	0	50	0	50
KE9VU	0	16	34	0	50
K9FHI	0	16	31	0	47
W9UW	0	29	7	2	38
W9BHL	0	0	30	0	30
KB9ROB	0	22	5	1	28
AA9BB	0	0	28	0	28
WB9ICH	0	21	3	1	25
W9IHW	1	2	20	2	25
W9YCV	1	11	5	4	21
K9UTQ	0	0	2	0	2
W9PVD	0	0	1	0	1
WISCONSIN SECTION STATION ACTIVITY SUMMARY August 2002					
STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	2	418	35	401	856 - BPL
W9RCW	0	210	41	176	427 - BPL
N9VE	0	176	40	158	374 - BPL
K9GU	0	84	15	84	183
W9CBE	0	85	72	3	160
W9IHW	0	78	46	0	124
K9LGU	6	81	24	4	115
AG9G	0	15	61	0	76
WA9ZTY	0	0	68	0	68
W9UW	0	39	12	2	53
K9FHI	0	21	29	0	50
KE9VU	0	16	32	0	48
KG9B	0	8	28	0	36
W9BHL	0	2	30	0	32
KB9ROB	0	29	3	0	32
AA9BB	0	0	27	0	27
W9YCV	0	12	10	3	25
WB9ICH	0	19	2	0	21
W9PVD	0	4	4	1	9
K9UTQ	0	1	5	1	7

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY JULY 2002					
NET	QNI	QTC	QTR	SSNS	NM
BWN	243	1500	2325	31	W9RCW
BEN	440	43	714	31	KE9VU
WSBN	407	33	638	31	K9FHI
WNN	117	12	260	25	KB9ROB
WSSN	125	18	312	28	N9BDL
WIN/E	188	47	300	30	WB9ICH
WIN/L	203	56	372	31	W9UW
TOTAL	1723	1709	4921	207	

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY August 2002					
NET	QNI	QTC	QTR	SSNS	NM
BWN	1227	1466	2325	71	W9RCW
BEN	390	34	709	30	KE9VU
WSBN	538	59	791	31	K9FHI
WNN	144	17	308	29	KB9ROB
WSSN	156	23	287	29	N9BDL
WIN/E	190	69	304	31	WB9ICH
WIN/L	194	47	386	31	W9UW
WI RACES	76	0	386	31	N6NKO
TOTAL	2915	1715	5496	283	

(Continued from page 7)
KB9STB will be the auctioneer. A donation 10% of the selling price will go to the club treasury.

8. Parade - The club will participate if there is a Christmas Parade. There is still a need for ideas but they cannot include Santa Claus. If you have a suggestion contact any of the Board Members.

9. Myron, KB9STB is beginning to organize the Halloween Watch for this year. If you can help out please contact him. There will be an organizing meeting to give assignments the date of which has not been set.

10. There is a plan by Myron, KB9STB to have a special event station for the Santa Train. The station may not operate from the train but could set up near it. It is not known at this time how many days the train will run or if there will be one. Myron is looking for input as to if the club should do it or not. Please let him know what you think.

New Business:

1. Steve, KC9ANA told the members about the special event he ran from Marshfield for the 100 years of the Central Wisconsin State Fair. The station made contacts as faraway as Brazil.

2. Matt, N9NMH informed the members of a new repeater in the Wausau area on 442.200 with a standard offset & PL of 114.8. For more info on the repeater go to www.skywavetower.com/win.

Motion to adjourn at 8:22 P.M.:
N9LIA Second: KB9STB

The next meeting will be Tuesday September 3, 2002, at 7:00 P.M. at the Marshfield Clinic - Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the main parking lot at the main entrance on the East side of the building. Call in on 2-meter club repeater if you need directions: frequency is 146.640 (pl 114.8).

Respectfully submitted,
Jerry Graebel - W9GLG
(w9glg@arrl.net) WVRA Secretary

Net/Rom Node Information for the Sysop - Part Fourteen

by Andy Nemec, KB9ALN

This is part 14 of a series designed to help node Sysops learn more about the popular TheNet X-1J series of nodes. This month, we'll finish up our alphabetical exploration of these commands with the SYSOP, TALK, UI and USERS commands. While TALK and USERS are technically user commands, there are some additional features associated with these commands that you may want to be familiar with.

SYSOP

This command allows one to enter the Sysop mode to change node parameters. Node operating paramters can't be changed by users unless that enter into this mode. A sysop enters this mode by sending the appropriate password in the appropriate format.

First, a password phrase has to be worked out and "burned" into the EPROM that the X-1J firmware resides on. The password phrase can be nearly any combination of letters, numbers or printable symbols. No limit is specified on the length of the password, although 80 characters seems to be the limit. When picking the password, don't use characters that the node uses for command, like * ? / . , + or -.

Each letter of the password phrase is numbered. When the sysop prompts the node for the password by sending "SYSOP", the node returns with a set of numbers. If the Sysop sends back the appropriately numbered characters of the password phrase (this is case-sensitive, by the way), the node then allows Sysop commands to be accepted and acted upon.

There are two ways to make the password phrase virtually undetectable. First, choose a long one that is not real words. Second, you can send additional "fooler" characters between the legitimate password characters. The node scans the incoming text for the correct characters that can be embedded in text, in the correct sequence (not necessarily next to each other).

We won't use any examples here, for obvious reasons. Consult the X-1J documents to learn more about this.

TALK

This is a nice conference feature that allows packet operators to engage in a "round table". To enter the talk mode, the user sends the phrase:

TALK
and the node responds with:
WX9APR-1:WAPR1} Entering Talk.
Send /EX to exit.

Other participants will see your call sign and a message that you've joined them. Text from other stations is preceeded by their respective call-signs. When a station leaves this mode, a message informs the group of this fact. Unlike some converse bridges you'll find on BBSs and the like, there is only one conference "channel", used by everyone who is engaged in the "Talk" mode.

That's the simple, straightforward way to use TALK. There is another way to use it, however. You can send a broadcast message inviting other node users who aren't engaged in the conference session to join you. When you're engaged in the session, type:

TALK Conference in session, if anyone wants to join in, type 'Talk'

Anyone who is connected to the node but idle will see the message.

There are some limitations to this conference feature, however. First involves the number of users that can successfully engage in the conversation. This seems to be limited to about 4 or 5 at 1200 baud, depending on the settings of timers on the participant's TNCs. There is simply not enough time to send and acknowledge every packet sent in a typical keyboard conversation before the appropriate timers expire and the connection is closed. For that reason, it's best to suggest to your users that they use the TALK feature at off-peak times.

Another limitation is the text buffer. Anything past the 80th character will be dropped into the "bit bucket". For those terminal and packet programs that do not have "word wrap", this may present a problem. You may want to tell your users to change their "Paclen" to 70 or so. Also suggest that they find the command to add a Carriage Return/Line Feed character to each packet. This is necessary for the node to know how to format the text.

UI

This is another user command that is useful for the sysop to know about. UI allows a connected user to send an unproto packet through the node. The packet appears as another SSID of the user. This can be good for sending out a LAN-wide announcement or invitation for a connection.

This command, like most user commands, can be disabled from the sysop mode with:

UI -

Likewise, it can be enabled with:
UI +

All text intended to be sent out as UI needs to end with a Return (Carriage Return/Line Feed), or it won't be sent.

USER

This command is a user-level command from which Sysops can get some useful information. When the User command is given,

you may see something like this in return:

```
WAPR1:WX9APR-1} TheNet X-1J4
(633)
Uplink(WX9ABC)
Downlink (WX9DEF)
Circuit(WAPRBBS:WX9APR KB9ALN)
```

First, you see that the node firmware version is displayed along side the node's call and alias. Secondly, you see the type of connection, "Uplink", "Downlink", or through "Circuit". In the above example, you see that WX9ABC is connected to WX9DEF through the node, and that KB9ALN is connected to WAPRBBS through the network, using this node as one of the links.

Normally, you'd see something like this. However, there is something else you may see from the User display, the node's "Choke" status.

A node connection is "Choked" when there is data waiting to be sent, but can't be accepted by the destination station or node for one reason or another. In uplink or downlink situations, you will see the letter "C" next to the choked station or node. For circuit connections, you will see something like this:

```
Circuit(WAPRBBS:WX9APR <---->
GRBBBS:KB9ALN)
```

Notice the + sign? This means that the connection to GRBBBS is choked on that end. In reality, this isn't always a + sign, it can be some other character. The importance is the difference between the --- and some other character. If there is a different character on both ends, then the connection is choked on both ends.

This can be very useful when trying to find the cause of slow connections. One choked node can slow an otherwise good network path. Choking can also be caused by a poor path, of course. Or it can be caused by a "slow" or faulty TNC.

That's all for our alphabetical exploration of the Sysop commands for these nodes. Next time, we'll explore what is needed to set up a node for TCP/IP operation.

Until then, 73 from Andy.

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Ogema, WI 54459

Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com

WAPR News **September, 2002** by Andy Nemec, KB9ALN

Hello everyone. I hope your summer has been fun, and that you've managed to escape the wrath of the many storms we've seen here in Wisconsin. So far we've had nearly twice as many tornadoes as we usually see in the state (even though the national total is down from past years), making plenty of opportunities for emergency operating and antenna damage.

As summer slips away from us, we're trying to arrange for a suitable meeting place and date. Keep an eye on your local BBS and the WAPR web page for an announcement of date, time and place.

Motorola Madness

Our chairman Joel, N9BQM tells me that he has procured a quantity of 50-watt Motorola Mitrek radios for backbone use. The radios are presently unmodified, Joel can arrange for that (but it will take some time). The radios will need to be modified before 9600 baud backbone use, as well as re-crystaled and tuned. Some installations may require preamps. This is the best radio that we have found for this purpose to date.

Re-Crystalling, we've found, is a bit tricky. What seems to work best (meaning what's most stable) is to send the channel elements off to a crystal maker and have them matched with a particular crystal. For those who are unfamiliar with this radio, the channel element is a self-contained oscillator module that the crystal solders into. Being as frequency stability is critical for our operations, it is highly recommended that node operators wishing to use this radio pay the extra money and get a crystal that is matched to the channel element.

If you're interested in one of these radios, contact Joel one of two ways:
n9bqm@badger.tds.net (internet E-Mail)

or

N9BQM@N9BQM.#CWI.WI.USA.

NOAM (packet mail)

Manitowoc Stack Off Air, Leaves Network Gap

Last time I reported on Red N9GHE's pending move and the removal of his node stack and BBS from the air. So far, no one has stepped forward and offered to carry on as a node operator. This puts the network in a bad way along the lakeshore. This is one leg of a network "loop" we've been hoping to construct throughout the state. As of this writing, the BBS and node stack are still off the air. If you're interested in filling this network gap, contact me and I will put you in touch with the proper people.

Speaking of gaps in the network, there's one we still have to fill. That's the gap between Rudolph and Timm's Hill. Currently, it's just too far of a hop to make via UHF. If you're located in a good spot between these two node locations (for example, the Wausau area), contact Joel N9BQM at one of the addresses listed above.

Joel has been working on putting some other nodes on the air, but nothing is concrete as of right now. Stay tuned, as more info comes available, you'll see it here.

I mentioned in the last news report that we have the WAPR bandplan on the WAPR web site. Since it's been up there, I've been told of a few additions, corrections and updates. Joel, Walt (AA9AW, our packet frequency coordinator) and others have been looking the list over and evaluating the usage of some of the frequencies we've designated for certain uses. As we move forward on this, we'll be revising the bandplan and re-posting it on the web page.

A Mode with a Purpose - a Commentary and Call to Action!

A good friend of mine, who was instrumental in getting me involved in packet radio, once told me that packet radio was a great "mode looking for a purpose". His point was that Voice operation has many purposes, and the same can be said of CW and other specialties within our hobby, packet seemed to (at the time)

fill no particular niche and had no purpose. He pointed out that it was an eclectic mix of experimentation, news distribution and some semblance of social interaction. However, none of these activities seemed to fit the "traditional" mold of making contacts and carrying on conversations.

One has to be a decent, fast typist to really enjoy keyboard chatting. The packet radio variant of E-Mail was somewhat slow when it was working in the early days. Now it's fast - if you get the message at all (many reasons for this). The For Sale and Want ads kind of set the stage for electronic commerce, in a crude way. The best thing about packet (especially in years past when it was well populated) was that we used it like we use E-Mail today. We can get information to another person at a convenient time for both the sender and recipient.

After spending about 10 years playing with this mode, I think that it's purpose has finally emerged - and it's not really any of the examples I have pointed out above. Sure, it can still be used for the above purposes, but one purpose clearly stands out amongst others. That is Emergency Operations.

Before I get any further, let's make one thing clear. I am not suggesting that all emergency communications be conducted through packet. What I am saying is that packet is a -Key- component of emergency operations. This is nothing that I haven't said before, but becomes more apparent (to me) every day.

Soon we will be observing the first anniversary of the terrible September 11, 2001 terrorist attacks. There have been several lessons learned in the time that has passed since. These have been learned not only from the experiences directly involving those attacks, but from the general focus on security and some unfortunate natural and man-made disasters that have occurred since then.

Here are a couple of these lessons. First, ham operators are still needed to help with communications that have been affected by any emergency. Second, any

communications system, whether it be police, fire, wireline telephones, cell-phones or the internet can be adversely affected by a disaster. Third, any critique that I have seen of a drill or actual disaster has all said one thing - "communications were a problem...".

In the past 5 years, I have seen a great increase in the reliance on the internet for emergency operations. Generally, this involves communications between the state Department of Emergency Management, Emergency Management at the county level, and various state and federal agencies and relief agencies. While this is efficient, the internet (or access to it) is just as vulnerable to failure or sabotage as any other "normal" communications system. And there are unique failures that only the internet is susceptible to - such as hacking and E-Terrorism.

Enter packet radio. At some point in time, I anticipate that we will be called upon to replace internet links between various local, state, and federal agencies. This is where packet can shine - distributing E-Mail when no other method is available.

We have plenty of work to do before we can think of doing this effectively, of course. Nodes have to be added to strengthen links, and there has to be a general increase in packet operators' knowledge about the internet and how it works. This is because in order to be truly effective at completing lost internet links, we need to make our participation invisible to the end user. There's no time to train people in special operations that they may only use once in a while.

So here's a suggestion - we (packet operators, Sysops, node-ops and the like) should make every attempt to familiarize ourselves with the internet. Here's a real challenge for you - become expert at how internet E-Mail works. Find out what comprises the internet. Know what happens when you click on a link in your browser, from your computer, through the modem and finally the network.

For those of you who think this is far afield from packet radio, and far too com-

plicated to learn, I say this: We already have a packet radio network that operates under the same principles as the internet does. It's not that different. Both send information in packets, both use packet relaying technology and route packet data through a dynamic network. While the medium may be different - wires vs. radio - the methods have a lot in common.

The World Wide Web is a superb resource on the internet mechanics. Several good books have been written on the subject. It takes a little time to learn this, but it is time well spent. We will be asked in the future to provide services that we currently don't provide, but only can do it if we know how.

In short, in order for packet to realize this noble purpose, we will have to learn and work at it a little. But it's a great use for packet radio and one that can easily prove the worth of so much Amateur Radio spectrum allocations. Will you be up to the task? I hope so, we'll need people who know how to do this if we want to prove ourselves capable communicators.

That ends this commentary and this edition of the WAPR news. We'll see you next in November. Until then, 73 from Andy.

The Test Point



Amateur Radio Examination Locations
and Schedules in the Area

October 05, 2000	Racine, WI
October 05, 2002	St. Paul, MN
October 10, 2002	Apple Valley, MN
October 12, 2002	Madison, WI
October 12, 2002	Blaine, MN
October 12, 2002	Oshkosh (Omro), WI
October 19, 2002	Eau Claire, WI
October 19, 2002	Milwaukee, WI (BE)
October 19, 2002	Loves Park, IL
October 19, 2002	Cottage Grove, MN
October 22, 2002	Eden Prairie, MN
October 26, 2002	Bloomington, MN
October 26, 2002	Milwaukee, WI (MRAC)
October 26, 2002	Tomahawk, WI
October 26, 2002	Wisconsin Rapids, WI
November 02, 2002	Racine, WI
November 02, 2002	St. Paul, MN
November 02, 2002	Menomonie, WI
November 03, 2002	Appleton, WI
November 09, 2002	Madison, WI
November 09, 2002	Blaine, MN
November 09, 2002	Oshkosh (Omro), WI
November 09, 2002	Onalaska, WI
November 14, 2002	Apple Valley, MN
November 16, 2002	Milwaukee, WI (BE)

November 16, 2002	Loves Park, IL
November 16, 2002	Cottage Grove, MN
November 19, 2002	Eden Prairie, MN
November 19, 2002	Sheboygan, WI
November 23, 2002	Bloomington, MN
November 30, 2002.	Milwaukee, WI (MRAC)
December 07, 2002	Eau Claire, WI
December 07, 2002	St. Paul, MN
December 07, 2002	Racine, WI
December 12, 2002	Apple Valley, MN
December 14, 2002	Madison, WI
December 14, 2002	Blaine, MN
December 14, 2002	Oshkosh (Omro), WI
December 17, 2002	Eden Prairie, MN
December 28, 2002	Milwaukee, WI (BE)
December 28, 2002	Loves Park, IL
December 28, 2002	Cottage Grove, MN
December 28, 2002	Bloomington, MN
Monthly, 1st Sat. (except Jan., Jul., & Aug.)	Racine, WI
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat. (September through April)	Milwaukee, WI (BE)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat. (except Mar., Jun., Aug., & Dec.)	Milwaukee, WI (MRAC)
Monthly, Last Sat. (January thru October only)	Tomahawk, WI
(January thru October only)	

Due to space requirements, we cannot always carry the full listing of Test Point information in every issue. We try to alternate with the Club Meeting information in each issue of *BSSS*. As most of the information does not change, please refer to the July issue of *BSSS* for additional information on the test dates and sites. You can also get the information on our web site **[Http://www.bsss.org](http://www.bsss.org)**. Dave keeps the latest information posted there.

The following additions/changes were received since the last listing:

Wisconsin Rapids, ARRL/VE team: Oct. 26. 2002 St Lukes Church. 10th & Wood Ave. Registration: 8:30 a.m. to 9:00 a.m. Testing starts at 9:00 a.m. Testing for all classes. Walk-ins welcome. Contact: Clyde Deitz ab9eqdeitz@tznet or call 1- 715-325-5521 and GOOD LUCK.

GENERAL RULES FOR MOST EXAMINATIONS Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>
or
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.



Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)
Club net: Sundays 8:00 p.m. on 147.315
Raymond J. Matlosz, N9MLZ, Secretary
450 W. 2nd St., Reedsburg, WI 53959-1500



Steve Schulze, N9UDO, called the meeting of August 7, 2002 to order at 7:12 p.m..

There were no minutes of the July 2nd meeting (as in no minutes because none were taken). No treasurer's report.

OLD BUSINESS: A few more volunteers would be appreciated for the Driftless Zone Adventure Race August 24, 2002. Contact Pete Sweeney, WD9JIB, Steve Schulze or Joe Mayenschein, WB9SED.

NEW BUSINESS: Donald Michalski requested the use of the club's repeater on September 1 for the Bombay Bicycle Club event. Members voted to approve. Steve Schulze introduced a motion to purchase a 2m handheld as a door prize. Price would be under 100 bucks. Members approved. There are 179 pre-sales for tables at this years swapfest. Set up Friday is 6 p.m., Saturday 5-5:30 a.m. All are welcome to help.

CLUB OFFICER ELECTIONS TO BE HELD IN SEPTEMBER (or there about). Declared candidates are: President - Steve Schulze, N9UDO; Vice-President,

Thomas Harrison, N9PQJ; Treasurer for life-Bill Klinkner, N9KXX; Member-at-large - Pete Sweeney, WD9JIB. A candidate is needed for club Secretary.

Club members are asked to review the club's by-laws as they were last done in 1992 and in need of revision.

NEXT MEETING: FOX HUNT! 6 p.m. September 5, 2002 starting point is outside of the Sauk County Courthouse

Respectfully Submitted,
Raymond J Matlosz, N9MLZ
Secretary

The following members were present:

Steve Schulze	N9UDO	Baraboo
Duane Grotophorst	N9DG	North Freedom
Wayne Burgess	N9UDX	Lodi
Bill Hommel	KA9QFJ	Madison
David Spearing	KB9CSW	Portage
Raymond Matlosz	N9MLZ	Reedsburg
Maurey Gurgel	KA9TBU	Reedsburg
Jay Brendemushel	KB8VMO	Portage
Pete Sweeney	WD9JIB	Reedsburg
Thomas Harrison	N9PQJ	Reedsburg
Robert Loomis	KB9VSQ	Reedsburg
Steve R Schwoegler	K9WD	Wisconsin Dells

Menomonie High School Field Marching Competition

Sunday October 13th

Local HAMS are again this year being asked to help out with communications at the Menomonie High School Field Marching Competition to be held Sunday October 13th at U.W. STOUT'S "Williams Stadium". Specifics are a bit sketchy yet, but I do know that the event itself will run from 1:00 till approx. 4:30 with a total of eleven bands performing. HT's would be the radio of choice---being mobile around the stadium grounds.

Please check your calendars NOW and respond if this interests you. You WILL be entertained! Please call John at 235-6271 or E-Mail me at kb9ulf@hotmail.com with a subject area of "Marching Competition". Please respond NOW, but for sure before Sept. 30th, so event coordinators can have a handle on our numbers.

This is yet another opportunity for GOOD "P.R." for Aateur Radio.

I'll forward information to those that respond, as it becomes available.

Thanks, John KB9ULF

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e-mail ryatex@aol.com

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For Information Contact:

Steve Bluem at (715)839-6509

ka9omy@arrl.net

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SOUTH MILWAUKEE AMATEUR RADIO CLUB
AUCTION

Amateur Radio, Computers & Electronics

Wed. March 12, 2003, 6:00 p.m.

American Legion Post 434

Shepard Avenue • Oak Creek, WI

(414) 762-3235

Ask for Verne

P.O. Box 102

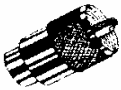
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